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**Upper Klamath Basin Science Workshop Agenda**  
**Plenary Session**  
**February 3, 2004**  
**Water and Water Related Resources**

	<b>Topic</b>	<b>Speaker</b>	<b>Affiliation</b>
7:30-8:00	Registration		
8:00-8:15	Meeting Overview & Objectives	Dennis Lynch	US Geological Survey
8:15-8:25	Role of Science in Resource Management	Rip Shively Shannon Cunniff	US Geological Survey Bureau of Reclamation
8:25-8:45	Overview of Basin	John Ritter	Oregon Institute of Technology
<b>Agency &amp; Stakeholder Perspectives</b>			
8:45-9:15	Overview of National Research Council (NRC) Report and the Relative Importance of Identified Science Needs	Bill Lewis	Univ of Colorado & NRC Chair, Committee on Endangered & Threatened Fishes in the Klamath River Basin
9:15-9:30	Q&A and Other Needs		
<b>Bureau of Reclamation</b>			
9:30-9:50	Upper Klamath Basin Role Related to Water, Fish, and Other Water-Related Resources and the Information, Data, or Solutions We Wish We Had to More Effectively Fulfill That Role	Dave Sabo	Bureau of Reclamation
9:50-10:00	Overview of Conservation Implementation Program...Purpose, Status, and Planned Actions		
10:00-10:15	Q&A and Other Needs		
10:15-10:30	Break		
<b>Fish and Wildlife Service</b>			
10:30-10:50	Upper Klamath Basin Role Related to Water, Fish, and Other Water-Related Resources and the Information, Data, or Solutions We Wish We Had to More Effectively Fulfill That Role	Curt Mullis	Fish and Wildlife Service
10:50-11:00	Q&A and Other Needs		
<b>The Klamath Tribes</b>			
11:00-11:20	Upper Klamath Basin Role Related to Water, Fish, and Other Water-Related Resources and the Information, Data, or Solutions We Wish We Had to More Effectively Fulfill That Role	Allen Foreman (invited)	The Klamath Tribes
11:20-11:30	Q&A and Other Needs		
11:30-12:45	<b>Lunch (catered lunch with lunch-time presentations)</b>		

	Topic	Speaker	Affiliation
<b>Bureau of Land Management</b>			
12:45-1:05	Upper Klamath Basin Role Related to Water, Fish, and Other Water-Related Resources and the Information, Data, or Solutions We Wish We Had to More Effectively Fulfill That Role	Jon Raby	Bureau of Land Management
1:05-1:15	Q&A and Other Needs		
1:15-1:25	<b>Lunch time stretch break</b>		
<b>Hatfield Upper Basin Working Group</b>			
1:25-1:45	Upper Klamath Basin Role Related to Water, Fish, and Other Water-Related Resources and the Information, Data, or Solutions We Wish We Had to More Effectively Fulfill That Role	Marshall Staunton Mark Stern	Hatfield Upper Basin Working Group
1:45-1:55	Q&A and Other Needs		
<b>Klamath Water Users</b>			
1:55-2:15	Upper Klamath Basin Role Related to Water, Fish, and Other Water-Related Resources and the Information, Data, or Solutions We Wish We Had to More Effectively Fulfill That Role	Dan Keppen (invited)	Klamath Water Users
2:15-2:25	Q&A and Other Needs		
<b>State of Oregon (Oregon Water Resources Department &amp; Oregon Department of Fish &amp; Wildlife)</b>			
2:25-2:45	Upper Klamath Basin Role Related to Water, Fish, and Other Water-Related Resources and the Information, Data, or Solutions We Wish We Had to More Effectively Fulfill That Role	Barry Norris Bob Hooton	State of Oregon
2:45-2:55	Q&A and Other Needs		
<b>State of California (Fish and Game and/or DWR)</b>			
2:55-3:15	Upper Klamath Basin Role Related to Water, Fish, and Other Water-Related Resources and the Information, Data, or Solutions We Wish We Had to More Effectively Fulfill That Role	Don Koch	State of California
3:15-3:25	Q&A and Other Needs		
3:25-3:35	<b>Break</b>		
<b>Forest Service</b>			
3:35-3:55	Upper Klamath Basin Role Related to Water, Fish, and Other Water-Related Resources and the Information, Data, or Solutions We Wish We Had to More Effectively Fulfill That Role	Jack Sheehan	Forest Service
3:55-4:05	Q&A and Other Needs		
<b>NRCS</b>			
4:05-4:25	Upper Klamath Basin Role Related to Water, Fish, and Other Water-Related Resources and the Information, Data, or Solutions We Wish We Had to More Effectively Fulfill That Role	Kevin Conroy	Natural Resources Conservation Service
4:25-4:35	Q&A and Other Needs		
4:35-5:05	Overview of Independent Multidisciplinary Science Team Report	Stan Gregory	Oregon State University
5:05-5:20	Q&A and Other Needs		
5:20-5:40	Open Discussion		

**Upper Klamath Basin Science Workshop Agenda**  
**Sucker Ecology – Session A**  
*February 4, 2004*  
**Water and Water Related Resources**

	<b>Topic</b>	<b>Speaker</b>	<b>Affiliation</b>
8:00-8:10	Opening Remarks, Introductions	Rip Shively	US Geological Survey
	<b>Larval Sucker Ecology</b>		
8:10-8:25	Early Studies on Larval Sucker Ecology	Larry Dunsmoor	The Klamath Tribes
8:25-8:35	Q&A		
8:35-9:05	Ecology of Larval Suckers in the Williamson River and Upper Klamath Lake	Mike Cooperman	Oregon State University
9:05-9:15	Q&A		
9:15-9:30	Monitoring Use of a Restored Riverine Wetland by Endemic Larval Suckers	John Crandle	The Nature Conservancy
9:30-9:40	Q&A		
9:40-10:00	<b>Break</b>		
10:00-10:15	Overview of the Proposed Study to Monitor Adult Sucker Movement Above Chiloquin Dam and Larval Sucker Emigration From the Lower Williamson River	Torrey Tyler	US Geological Survey
10:15-10:20	Q&A		
10:20-11:45	Open Discussion		
11:45-1:00	<b>Lunch (On Your Own)</b>		
	<b>Juvenile Sucker Ecology</b>		
1:00-1:50	Overview of the Upper Klamath Juvenile Sucker Monitoring Program and Examination of Juvenile Production With Respect to Environmental Conditions	Doug Markle	Oregon State University
1:50-2:05	Q&A		
2:05-2:25	Near-Shore Habitat Use by Endangered Suckers in Upper Klamath Lake	Scott Vanderkooi	US Geological Survey
2:25-2:35	Q&A		
2:35-2:50	<b>Break</b>		
2:50-4:30	Open Discussion		
4:30-5:00	Wrap-up of Day's Events with Participants, Facilitators, and Recorders		

**Upper Klamath Basin Science Workshop Agenda**  
**Physical Hydrology -- Session B**  
*February 4, 2004*  
**Water and Water Related Resources**

	<b>Topic</b>	<b>Speaker</b>	<b>Affiliation</b>
8:00-8:10	Opening Remarks, Introductions	Dennis Lynch	US Geological Survey
8:10-8:35	Surface-Water Hydrology, Sub-Basin Characteristics	Jonathan La Marche	Oregon Water Resources Department
8:35-8:45	<b>Discussion</b>		
8:45-9:10	Ground –Water Hydrology	Marshall Gannett	US Geological Survey
9:10-9:20	<b>Discussion</b>		
9:20-9:40	Climate Variability	Greg McCabe	US Geological Survey
9:40-9:50	<b>Discussion</b>		
9:50-10:05	<b>Break</b>		
10:05-10:25	Evapotranspiration	Bill Bidlake	US Geological Survey
10:25-10:40	<b>Discussion</b>		
10:40-11:00	Hydrology of Wetlands in the Upper Klamath Basin	Leslie Bach	The Nature Conservancy
11:00-11:15	<b>Discussion</b>		
11:15-11:35	Water Supply Forecasting	Phil Pasteris	Natural Resources Conservation Service
11:35-11:50	<b>Discussion</b>		
11:50-1:05	<b>Lunch (On Your Own)</b>		
1:05-1:25	Estimation of Natural Flows	Tom Perry	Bureau of Reclamation
1:25-1:40	<b>Discussion</b>		
1:40-1:55	Quantification of Water Use in the Upper Klamath Basin	Bruce Fisher	US Geological Survey
1:55-2:10	<b>Discussion</b>		
2:10-2:25	Hydrology and Water-Budgets in the Klamath Project Area	Beau Freeman	California Polytechnic State University
2:25-2:40	<b>Discussion</b>		
2:40-2:55	<b>Break</b>		
2:55-3:10	Water Banking and Water-Supply Enhancement	Gary Baker	Bureau of Reclamation
3:10-3:25	<b>Discussion</b>		
3:25-3:40	Klamath Basin Rangeland Trust Project	Graham Matthews	Graham Matthews and Associates
3:40-3:55	<b>Discussion</b>		
3:55-4:10	Ground-Water Demonstration Projects in Oregon	Mike Zwart	Oregon Water Resources Department
4:10-4:25	Ground-Water Development and Monitoring in California	Noel Eaves	California Department of Water Resources
4:25-4:40	<b>Discussion</b>		
4:40-5:00	Wrap-up and Discussion		

## Upper Klamath Basin Science Workshop Agenda

### Sucker Ecology (continued) -- Session A

February 5, 2004

#### Water and Water Related Resources

	<b>Topic</b>	<b>Speaker</b>	<b>Affiliation</b>
8:00-8:30	Overview of the Upper Klamath Lake Adult Sucker Monitoring Program and Current Status of Adult Sucker Populations	Rip Shively	US Geological Survey
8:30-9:00	Q&A		
9:00-9:20	Overview of Adult Sucker Behavior Studies Below Upper Klamath Lake	Rich Piaskowski	Bureau of Reclamation
9:20-9:30	Q&A		
9:30-9:50	Movements and Behavior of Radio-Tagged Adult Lost River and Shortnose Suckers With Respect to Water Quality in Upper Klamath Lake	Barbara Adams	US Geological Survey
9:50-10:00	Q&A		
10:00-10:15	<b>Break</b>		
10:15-11:45	Open Discussion		
11:45-1:00	<b>Lunch (On your Own)</b>		
<b>Miscellaneous</b>			
1:15-1:35	Overview of Lost River and Shortnose Sucker Spawning Habitat	Mark Buettner	Fish and Wildlife Service
1:35-1:45	Q&A		
1:45-2:05	Overview of the Sucker Genetics in the Klamath Basin and Needs for Future Research	Thomas Dowling	Arizona State University
2:05-2:15	Q&A		
2:15-2:35	Overview of Fish Health Information for Adult Suckers in Upper Klamath Lake and Needs for Future Research	Scott Foote	Fish and Wildlife Service
2:35-2:45	Q&A		
2:45-3:00	<b>Break</b>		
3:00-3:20	Trends in the Distribution and Abundance of Endemic and Exotic Fishes in Upper Klamath Lake	David Simon	Oregon State University
3:20-3:30	Q&A		
3:30-5:00	Open Discussion		
5:00-	Wrap-up of day's events with Participants, facilitators, and Recorders		

# Upper Klamath Basin Science Workshop Agenda

## Water Quality – Session B

February 5, 2004

### Water and Water Related Resources

	Topic	Speaker	Affiliation
8:00-8:10	Opening Remarks, Introductions, etc.	Dennis Lynch	US Geological Survey
8:10-8:25	History of UKL and Watershed Derived from Lake Cores	Joe Eilers	JC Headwaters
8:25-8:40	Open Discussion		
8:40-8:55	External Loading and Sources of P and N to UKL	Jake Kann	Aquatic Ecosystem Sciences, LLC
8:55-9:10	Open Discussion		
9:10-9:25	Natural and Anthropogenic Sources of Watershed Nutrients	Steve Kirk	Oregon Department of Environmental Quality
9:25-9:40	Open Discussion		
9:40-10:00	<b>Break</b>		
10:00-10:15	Sprague River Water Quality-- Nutrients and Temperature	Joe Eilers	JC Headwaters
10:15-10:30	Open Discussion		
10:30-10:45	Historical Losses of P and N from UKL Wetlands	Dan Snyder	US Geological Survey
10:45-11:00	Open Discussion		
11:00-11:15	Wetland Restoration – Water Quality Implications	Allison Aldous	The Nature Conservancy
11:15-11:30	Open Discussion		
11:30-11:50	Rise of Superabundant Cyanobacteria (Aphanizomenon) Populations in UKL with Progressive Loss of Wetlands	Stan Geiger or Eric Henry	Oregon State University, Department of Botany and Plant Pathology
11:50-12:00	Discussion		
12:00-1:15	<b>Lunch (On Your Own)</b>		
1:15-1:30	Internal loading of P and N in UKL (In- Lake Observations)	Jake Kann	Aquatic Ecosystem Sciences, LLC
1:30-1:45	Open Discussion		
1:45-2:00	Internal loading of P in UKL (Lab Experiments)	Tammy Wood	US Geological Survey
2:00-2:15	Open Discussion		
2:15-2:40	Ecology of Nuisance Algae in Lakes	TBD	
2:40-2:55	Open Discussing		
2:55-3:15	<b>Break</b>		
3:15-3:35	DO Dynamics in UKL (Biological and Physical Processes)	Tammy Wood	US Geological Survey
3:35-3:50	Open discussion		
3:50-4:05	Klamath River Water Quality -- Link River Dam to the Pacific Ocean	Mike Deas	Watercourse Engineering, Inc.
4:05-4:20	Open Discussion		
4:20-4:35	Klamath River Research Needs	Sharon Campbell	US Geological Survey
4:35-4:50	Open Discussion		
4:50-5:00	Wrap-up and Discussion of Friday's Agenda	Dennis Lynch	US Geological Survey

***Upper Klamath Basin Science Workshop Agenda***

***Plenary Session***

***February 6, 2004***

***Water and Water Related Resources***

	<b>Topic</b>	<b>Speaker</b>	<b>Affiliation</b>
8:00-9:15	Review of Science and Monitoring Needs Identified During the Workshop		
9:15-10:00	Regional Director Listening Session		
10:00-10:15	<b>Break</b>		
10:15-11:00	All Workshop Participants vote on Priorities		
11:00-11:15	Next Steps		
11:15-11:30	Workshop Evaluation	Ron Larson	Fish and Wildlife Service